Keypad Programming Instructions
for the Profile Series LK and v.G1 Locks

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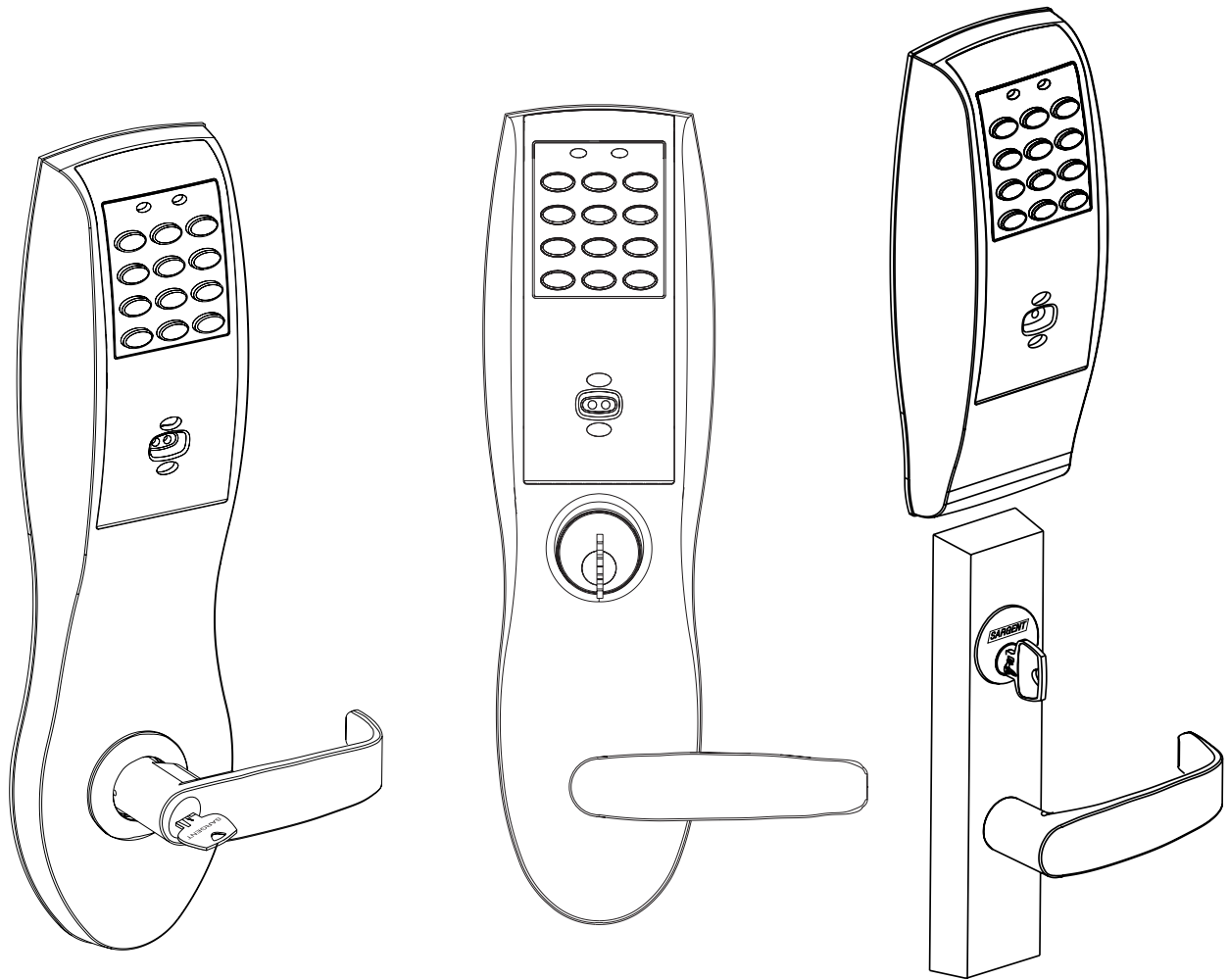## Keypad Programming Instructions for the Profile Series LK and v. G1 Locks

The Keypad Lock can support 100 (LK) / 2000 (G1-LU, G1-PK, G1-PA, G1-TU, G1-TP, G1-TA) users.
Each user is assigned a User Number in addition to the code used for entry.

Example
for v. G1:

USER TYPE	USER NUMBER
Master Supervisor	01 02
Standard	04-97 (LK) 04-2000 (G1-LU, G1-PK, G1-PA, G1-TU, G1-TP, G1-TA)

- SofLink™ Plus applications software must be used with (G1-PA & G1-TA) controller for programming

- The Master Code is **always** User "01". The Master Code assigns the Emergency and Supervisory Codes. It is also used for programming. Users are deleted through the Master Programming Code only

- Emergency code is a 10 second unlock time and will override a thrown deadbolt on a mortise lock

- The Supervisory Code is **always** User "02". The Supervisory Code allows temporary lock out of selected users, changes duration of unlock time, requests infrared interrogation output, and may add additional User Codes

  Note: For LK   Emergency Code is at User location "02"
                 The Supervisory Code is at User location "03"

- The User Codes are entered at user location "04" or higher. User numbers do not have to be used or entered sequentially

- The "Lock Out" user is location dependent. To ensure that all users are locked out of the keypad, program this user at location "04"

- The "Passage" user has precedence over all users except the "Panic" user. The lock must be toggled back into a locked state for other users to function

To Begin Programming:

The Lock Controller is preset at the factory with Master Code "1234".
Entering 1234 * will unlock the lock allowing the lever handle to retract the latchbolt.

Initial Set-Up Procedures:

- The following are typical procedures to be used when setting up your Profile Series v. G1 lock

- If a mistake is made during any of the procedures, depress the "*" key several times until the yellow LED goes out

- If no keystroke is made in a 30 sec. timeframe, the programming up to that point will default and you will have to start over

❶ LK Programming (100 Users)

To determine programming steps for your lock:
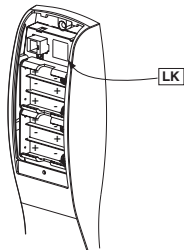
If your label has an LK, use the programming below.
If your label has a G1-LU, G1-PK, G1-PA, G1-TU, G1-TP or G1-TA, turn to programming in Section 3.

Change the Master Code

99# 1234*	Yellow LED blinks
50# 1#	Yellow LED blinks
New Master Code*	Yellow LED blinks quickly
New Master Code*	Yellow LED blinks slowly
*	Yellow LED goes out (If solid, see note)

This example uses the Factory Default 1234*
It is recommended not to use the factory default master code.

Keypad Programming Instructions for the Profile Series LK Lock

To Enter the Emergency Code

99# Master Code*	Yellow LED blinks
50# 02#	Yellow LED blinks
Emergency (1-6 digits)*	Yellow LED blinks quickly
Emergency (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Emergency Code defaults to a 10 second unlock time and will override a thrown deadbolt on a mortise lock.
- **Factory Emergency Code is 4321**

To Enter or Change the Supervisor Code

99# Master Code*	Yellow LED blinks
50# 1# 03#	Yellow LED blinks
Supervisory (1-6 digits)*	Yellow LED blinks quickly
Supervisory (1-6 digits)*	Yellow LED blinks Slowly (If solid, see note)
*	Yellow LED goes out

Enter A User Code

99# Master Code* or Supervisory Code*	Yellow LED blinks
50# 1# (User Number 04-100)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter A Passage (Maintained) Code

99# Master Code*	Yellow LED blinks
50# 0# (User Number 04-100)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter A One Time User Code

99# Master Code* or Supervisory Code*	Yellow LED blinks
50# 5# (User Number 04-100)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

To Deactivate/Reactivate "Beep" With Key Stroke

99# Supervisory or Master Code*	Yellow LED blinks
30# 0# 0# (Off) (1# = On)	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Note: If turning beep off, not audible on last two steps.

To Clear the Entire Memory

99# Master Code*	Yellow LED blinks
46# 00000# 00000#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED goes solid and begins to blink
*	Yellow LED goes out (If solid, see note)

This deletes ALL Codes, including Master, Emergency and Supervisory. The Master Code is set back to 1234*, Door Number to 0001 and Unlock Time to 5 seconds. If the Master Code is not known, factory assistance will be required to clear the memory. Call 1-800-810-9473.

To Program Door Name into Keypad

99# Master Code*	Yellow LED blinks
43# Door Name (up to 5 digits)#	Yellow LED blinks
0#	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

To Interrogate Transaction Log

99# Supervisory or Master Code*	Yellow LED blinks
70# 0# 0#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED goes out (If solid, see note)

For additional information, see "Transaction Log".

Hold an infrared printer up to the infrared LED (as shown). An HP82240B Infrared Printer can be used to download information from the keypad to a printout.

Door Name 5666

	Seq	User	Trans	
Door name	0	001	—	
	1	003	—	
	2	003	—	Varies
	3	020	—	
	4	003	—	

Note: Seq. # 0 is the programming request to output the entries. Sequence numbers 1-9 are the actual entries.

Transaction number   User number   Transaction type

To LED location

Infrared printer (52-2069)
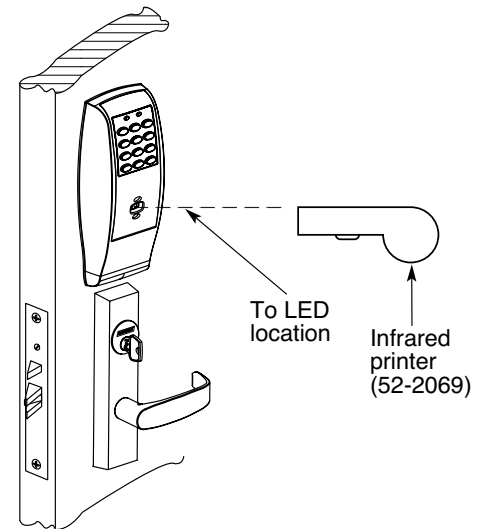
When done printing, the green LED will turn off and the yellow LED will blink slowly.
*

Yellow LED goes out

To Reset/Clear Transaction Log

99# Master Code*	Yellow LED blinks
76# 00000# 00000#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly
*	Yellow LED goes out (If solid, see note)

To Delete A User

99# Master Code*	Yellow LED blinks
50# 1# (User Number 04-100)#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

To Enable/Disable A User

99# Master Code*	Yellow LED blinks
56# 0# (Enable) or 1# (Disable)	
(User No. 04-100)#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

To Set Unlock Time

99# Master Code*	Yellow LED blinks
11# (1-99 sec)# 0#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

The Unlock Time is adjustable for Momentary Operation. A 5 second unlock time is recommended to extend battery life. Once the unlock time is entered, it is the same for ALL users except 02.

Status Indicators

No Green LED after code is entered once, but flashes after 3 consecutive entries- Invalid Code

4 Long beeps after code is entered - Low Battery.

4 long beeps after code is entered, 4 more long beeps - Voltage (batteries) too low to operate
                                                            Enter Emergency Code to gain 1 entry.

2 Transaction Log (LK Only)

To output the last 15 transactions, enter 99# Supervisory or Master Code * 70 # 0 # 0 # **.

- **Examples on this page are for the 100 user, 15 transaction unit**
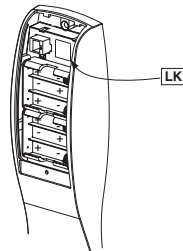
Note: Seq. # 0 is the programming request to output the entries. Sequence numbers 1-9 are the actual entries.

Door Name 5666

	Seq	User	Trans	
Door name	0	001	—	
	1	003	—	
	2	003	—	Varies
	3	020	—	
	4	003	—	

Transaction number | User number | Transaction type

Sequence Number

- Single digit - 0-9
- Latest transaction - 0
- Oldest transaction - 9

User Number

- Three digits - 001 through 099
- User numbers assigned at time of programming

Transaction Descriptions

- Will vary

Optional Equipment

- Printer Paper (6 Rolls) - 52-0034 used for infrared printers
- Infrared Printer - 52-2069 - used to download the user and transaction type.
- Remote Unlocking - 52-2071 - used for remote unlocking of Profile mortise lock. When the deadbolt is thrown and the remote unlocking feature is used, both the latchbolt and deadbolt can be retracted by turning the lever handle.

Hold an infrared printer up to the infrared LED (as shown). An HP82240B Infrared Printer can be used to download information from the keypad to a printout.

To LED location

Infrared printer (52-2069)
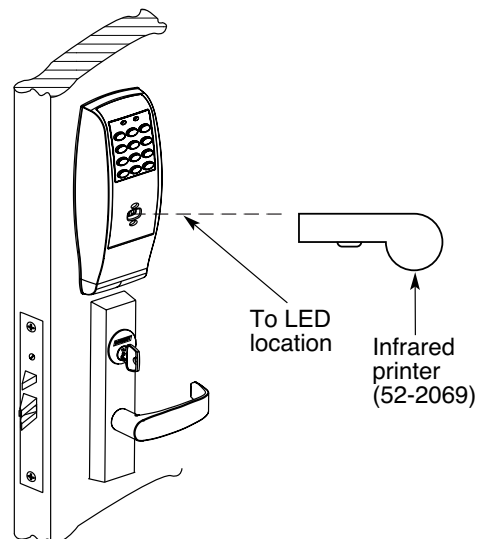
❸ G1-LU, G1-PK, G1-TU and G1-TP Programming (2000 Users)

To determine programming steps for your lock:

LU PK
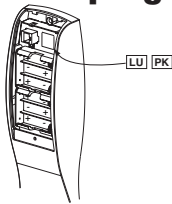
If your label has a G1-LU, G1-PK, G1-PA, G1-TU, G1-TP, G1-TA, then use the programming below. If your label has an LK, turn to LK programming in Section 1.

For RF Technology products (G1-TU, G1-TP, G1-TA), please take note of the following advisories:

Advisory 1: There is a time delay period between initially depressing the RF FOB button and the actuation of the lock. In some cases, the RF FOB will have to be depressed (and held for 3 seconds) multiple times to successfully actuate the lock.

Advisory 2: In the event that there are co-located RF Technology locks using individual RF FOBs that are depressed simultaneously, the locks may not actuate due to cross interference between the locks and the RF FOBs. The "User" should repeatedly depress (and hold for 3 seconds) the RF FOB button until actuation of the lock occurs.

Change the Master Code

99# 1234*	Yellow LED blinks
50# 1# 1#	Yellow LED blinks
New Master Code*	Yellow LED blinks quickly
New Master Code*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

This example uses the Factory Default 1234*
It is recommended not to use the factory default master code.

Change the Supervisor Code

99# Master Code*	Yellow LED blinks
50# 1# 2#	Yellow LED blinks
Supervisor (1-6 Digits)*	Yellow LED blinks quickly
Supervisor (1-6 Digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter A User Code

99# Master Code*	Yellow LED blinks
50# 1# (User Number 04-2000)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter A Panic User Code

99# Master Code*	Yellow LED blinks
50# 9# (User Number 04-2000)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter A Passage (Maintained) Code

99# Master Code*	Yellow LED blinks
50# 0# (User Number 04-2000) #	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Note: The "Passage" user has precedence over all users except the "Panic" user. The lock must toggled back into a locked state for other users to function.

To Enter the Emergency Code

99# Master Code*	Yellow LED blinks
50# 7# (User Number 4-2000)#	Yellow LED blinks
Emergency Code (1-6 digits)*	Yellow LED blinks quickly
Emergency Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Keypad Programming Instructions for the Profile Series v. G1 Lock

Enter a Lock Out User Code

99# Master Code*	Yellow LED blinks
50# 3# (User Location 04-2000)#	Yellow LED blinks
User Code*	Yellow LED blinks quickly
User Code*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Note: The "lock out" user is location dependent. To ensure that all users are locked out of the keypad, program this user at "user location" #4.

Enter A One Time User Code

99# Master Code*	Yellow LED blinks
50# 5# (User Number 04-2000)#	Yellow LED blinks
User Code (1-6 Digits)*	Yellow LED blinks quickly
User Code (1-6 Digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter An Extended Unlock User Code

99# Master Code*	Yellow LED blinks
50# 4# (User Location 04-2000)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Enter a Card, Tag, Fob and RF Fob User

99# Master Code*	Yellow LED blinks
50#	Yellow LED blinks
(Select only one number below, end it with a #, ie 4#)	
0= Passage Code; 1= Standard User; 3= Lockout Code; 4= Extended Unlock User; 5= One Time User; 7= Emergency Code; 8= Communications Enable; 9= Panic User	(Yellow LED blinks)
(User Number 04-2000)#	Yellow LED blinks
*	Yellow LED blinks Quickly
*	Yellow LED blinks Slowly (if Solid See Note)
Present Card, Tag or RF Fob	Beep / Yellow LED blinks
*	Yellow LED blinks Slowly
*	Yellow LED Goes Out

Enter a User Code + Card, Tag, FOB and RF Fob

99# Master Code*	Yellow LED blinks
50# 1# (User Number 04-2000)#	Yellow LED blinks
User Code (1-6 digits)*	Yellow LED blinks quickly
User Code (1-6 digits)*	Yellow LED blinks slowly (If solid, see note)
Present Card, Tag, Fob or RF Fob	BEEP / Yellow LED blinks
*	Yellow LED blinks slowly
*	Yellow LED goes out

To Activate The RF FOB Function

Note: Press the button on the RF FOB. If the controller beeps and LEDs flash, this procedure does not have to be done. RF enabled will shorten the battery life of the unit.

Press the reset button located in the battery compartment and any front key at the same time for 1 second, then release buttons.

	Yellow LED blinks slowly
Enter code 1030#	Yellow LED blinks slowly
1#	Yellow LED blinks slowly
1# Or (0# to disable The RF Function)	Yellow LED blinks slowly
*	Yellow LED blinks faster
*	Yellow LED blinks slowly
*	Yellow LED out

To Clear the Entire Memory

99# Master Code*	Yellow LED blinks
46# 00000# 00000#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks very fast for 10 sec., then slow
*	Yellow LED goes out

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For installation assistance, contact SARGENT at 800-810-WIRE (9473)

Turn OFF Audio Beep verification on every Key Depression

99# Master Code*	Yellow LED blinks
30# 0# 0# (Off) (1# = On)	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Turn ON Yellow LED verification on every Key Depression

99# Master Code*	Yellow LED blinks
30# 1# 1# (On) (0# = Off)	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Set Time

99# Master Code*	Yellow LED blinks
41# hh:mm# (24hr Format) 0#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

24Hr Format = 1PM = 13, 2PM = 14.......10PM = 22, Midnight = 00   **Example 13:15 = 1:15PM**

Daylight Savings Time

99# Master Code*	Yellow LED blinks
30# 13# 1# (On) (0# = Off)	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Set Date (Today's Date)

99# Master Code*	Yellow LED blinks
42# mmddyy# D.O.W.# (Sunday=1)	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

D.O.W. = Day of week

Set Unlock Time

99# Master Code*	Yellow LED blinks
11# (1-99 sec.)# 0#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

The Unlock Time is adjustable for momentary operation. A 5 second unlock time is recommended to extend battery life. Once the unlock time is entered, it is the same for ALL users except 02.

To Enable/Disable A User

99# Master Code*	Yellow LED blinks
56# 0# (Enable) or 1# (Disable)	
(User No. 04-500)#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

To Delete A User

|	
99# Master Code*	Yellow LED blinks
50# 1# (User Number 04-500)#	Yellow LED blinks
*	Yellow LED blinks quickly
*	Yellow LED blinks slowly (If solid, see note)
*	Yellow LED goes out

Status Indicators

3 very rapid beeps after User Code entered - Invalid User Code

4 long beeps after User Code entered - Low Battery Indication

4 long beeps after User Code entered, 4 more long beeps - Voltage too low to operate. Enter Master or Emergency Code to gain 1 entry

1 beep after User Code entered - Disabled user

4 beeps after User Code entered - Deadbolt thrown

3 beeps after User Code entered - User lockout

Alternating red/green LED — Awaiting second entry of Code/Card, Tag or Fob user

4 G1-PA & G1-TA Programming

To determine programming steps for your lock:

Comm Enable Push Button

PA
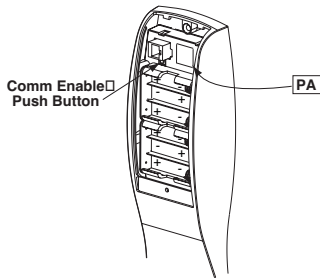
If your label has a G1-PA or G1-TA and no keypad, then use the programming below.
If your label has an LK, turn to LK Programming.
If your label has a G1-LU, G1-PK, G1-TU or G1-TP, turn to programming instructions in previous section

In a Prox Only (PA) or RF Technology & Prox (G1-TA) configuration, all programming must be completed using SofLink™ Plus Software. The Software includes a convenient Software User's Manual (A7720A), to be used as a programming guide.

To program the lock for the first time (only) the following steps are required.

1. Using SofLink Plus software, Hotsync door information to PDA.

2. On PDA - select "Imp/Exp"
   "Do NOT click OK at this point"

   PDA Response: "Please enter your communications code at the door"

3. Wake up the G1-PA or G1-TA lock by presenting an HID Credential (or by depressing an RF Fob).

   Lock Response: Audible beep

4. Within a <u>couple of seconds</u>, press and hold the PA controller CommEnable push button (below batteries) for 2 seconds, then release the button.

5. On the PDA, click "OK".

   The PDA will begin transferring (0-100%) of the door data to the lock.

6. If there was an error, check connections and repeat process starting at Step 2.

Note: *The Card will <u>NOT</u> actuate the lock for <u>45</u> seconds from the start of the downloading process. After this time expires, the card will function as defined by its User Type.

Reprogramming

Note 1: With a proximity card, fob, tag or RF Fob Card selected as a "CommEnable" User, presenting the "CommEnable" card to the lock will initiate communications after performing Step 2 (above) <u>without</u> the need to press the CommEnable button.

Note 2: After performing "first time programming" procedure, create a CommEnable card to facilitate communications from then on.

❺ Chain Programming

When programming multiple User Numbers and Codes into the LK, G1-LU, G1-PK, G1-TU and G1 TP Lock, it is not necessary to leave and re-enter the programming Mode (50) for each entry. Multiple entries may be chained together and the three different types of user codes (Standard, Passage and One Time) may be mixed.

The format to be used is as follows:

"T" is the **T**ype of user code with "1" Standard, "2" Passage and "3" One Time.

"UN_" is **U**ser **N**umber (04-99)

"UC_" is **U**ser **C**ode (2 to 6 digits) which correlates with the User Number

> 99# Master or Supervisor Code* 50# Type# User Number a# User Code a*
> User Code a* T# UNb# UCb* UCb* T# UNc# UCc* UCc* ...... T# UN_# UC_* UC_**

An example with four user codes is shown below:

Type	User Number	User Code
1	05	875
3	12	2226
2	08	5444
1	50	3367

Label indicates version of electronics
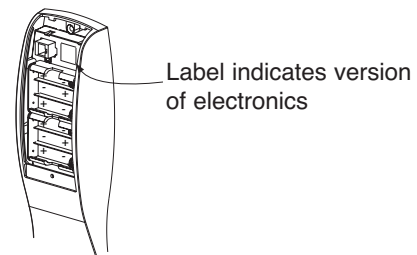
Using Master Code 4732 and above information, the lock would be programmed as follows:

99# 4732* 50# 1# 05# 875* 875* 3# 12# 2226* 2226* 2# 08# 5444* 5444* 1# 50# 3367* 3367*

If all user codes are type 1, it is not necessary to enter the type number with each entry.

The format now simplifies to:

99# Master or Supervisor Code* User Number a# User code a* User Code a* UNb# UCb* UCb* UNc# UCc* UCc*....... UN_# UC_* UC_**

An example with three user codes is shown below:

Type	User Number	User Code
1	07	77
1	15	67832
1	91	7568

Using Master Code 45988 and above information, the lock would be programmed as follows:

> 99# 45988* 07# 77* 77* 15# 67832* 67832* 91# 7568* 7568**

To chain the User Number delete procedure:
> 99# Master Code* User Number a#** UNb#** UNc#**....... UN_#****

Using the information from the above example:

> 99# 45988* 07#** 15#** 91#****

6   _**Supplemental – Individual "Door" Log Sheet for keypad programming**_

Lock Model: _____

Door Name: _____

Location: _____

Table 1: Main Codes - User Programmed "Door" Log			
Function	User Number	Default Code	User Programmed Code
Master Code	01	1234*	
Supervisory Code	02		

Note: If memory is cleared, you <u>must</u> reprogram Emergency code. The Master code resets back to 1234.

Table 2: User Programmed "Door" Log				
User Name	User Type	User Number	User Code	Card/Fob#, Notes